

In the Claims:

Please amend claims 10 and 16 as follows:

Please cancel claims 1-9 without prejudice to Applicant.

This listing of claims will replace all prior versions, and listings, of claims in the application. Accordingly, claims 10-19 remain for examination in the present application.

1.-9. (Cancelled)

10. (Currently amended) DNA encoding a chimeric isoprenoid synthase polypeptide, wherein said chimeric isoprenoid synthase polypeptide comprises a first isoprenoid synthase polypeptide joined to a second different isoprenoid synthase polypeptide such that the chimeric isoprenoid synthase polypeptide encoded by the DNA catalyzes: (1) the production of at least one isoprenoid reaction product that is not produced in the absence of the second isoprenoid synthase polypeptide; or (2) the production of more than one isoprenoid reaction product in a ratio differing from the ratio of the products produced in the absence of the second isoprenoid synthase polypeptide.

11. (Original) A vector comprising the DNA of claim 10.

12. (Original) A cell comprising the DNA of claim 10.

13. (Original) The cell of claim 12, wherein said cell is *E. coli*.

14. (Original) The cell of claim 12, wherein said cell is a plant cell.

15. (Previously Presented) A transgenic plant comprising the DNA of claim 10.

16. (Currently amended) A vector comprising ~~[[a]]~~ the chimeric isoprenoid synthase gene of claim 10 and a dominant selectable marker.

17. (Previously presented) The vector of claim 16 further comprising additional elements selected from the group consisting of a promoter regulatory region, a transcription initiation start site, a ribosome binding site, an RNA processing signal, a transcription termination site, and a polyadenylation agent.

18. (Previously presented) The vector of claim 11 comprising a transcription initiation regulatory region.

19. (Previously presented) The vector of claim 11 comprising a transcription termination regulatory region.